

AN INTEGRATED SELF-TUNING L-C FILTER
ABSTRACT of the DISCLOSURE

A method for tuning an on-chip L-C filter is disclosed which permits greater integration on standard silicon chips and greater insensitivity to manufacturing and ambient temperature variations. The L-C filter is tuned by a phase-locked loop with a L-C based VCO. The tuning loop can be powered down to save power and reduce noise coupling. The L-C filter can be operated continuously.